



Volunteer Lake Assessment Program Individual Lake Reports

STINSON LAKE, RUMNEY, NH

MORPHOMETRIC DATA

Watershed Area (Ac.):	4,747	Max. Depth (m):	23.5	Flushing Rate (yr ⁻¹)	0.9
Surface Area (Ac.):	350	Mean Depth (m):	10.7	P Retention Coef:	0.56
Shore Length (m):	5,600	Volume (m ³):	14,827,500	Elevation (ft):	1303

TROPHIC CLASSIFICATION

Year	Trophic class
1990	OLIGOTROPHIC
2002	OLIGOTROPHIC

KNOWN EXOTIC SPECIES

The Waterbody Report Card tables are generated from the DRAFT 2014 305(b) report on the status of N.H. waters, and are based on data collected from 2004-2013. Detailed waterbody assessment and report card information can be found at www.des.nh.gov/organizations/divisions/water/wmb/swqa/index.htm

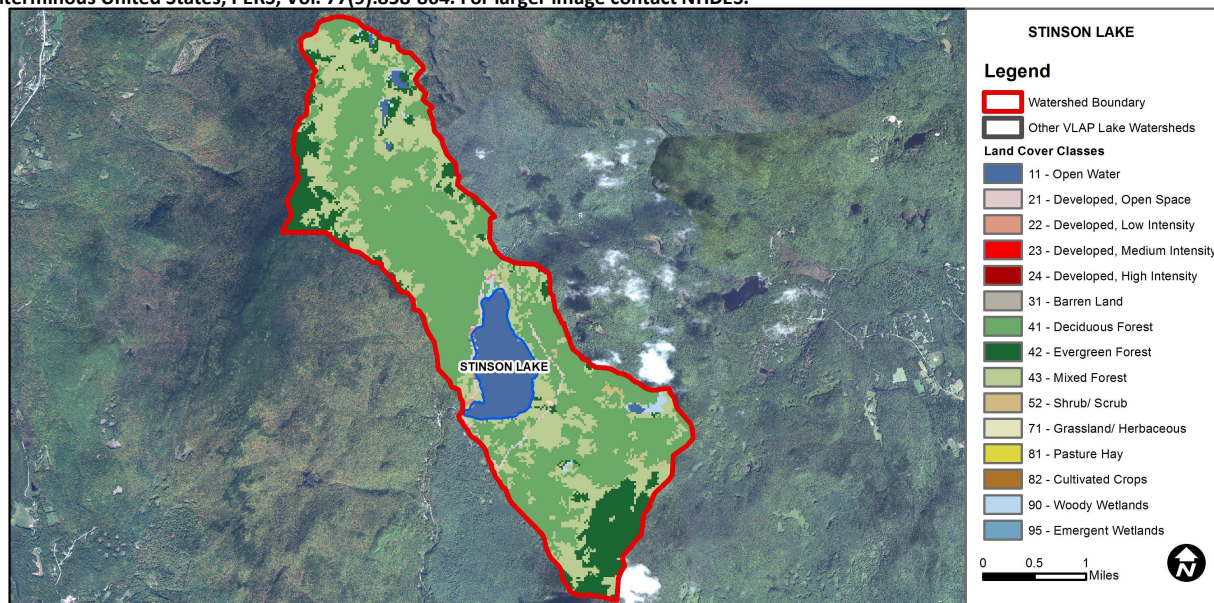
Designated Use	Parameter	Category	Comments
Aquatic Life	Phosphorus (Total)	Good	The calculated median is from 5 or more samples and is < indicator and > 1/2 indicator and the chlorophyll a indicator is okay.
	pH	Bad	>10%, with a minimum of 2, samples exceed criteria, with 1 or more by a large margin.
	Oxygen, Dissolved	Very Good	There are a total of at least 10 samples with 0 exceedances of criteria.
	Dissolved oxygen saturation	Very Good	There are a total of at least 10 samples with 0 exceedances of criteria.
	Chlorophyll-a	Good	The calculated median is from 5 or more samples and is < indicator and > 1/2 indicator.
Primary Contact Recreation	Escherichia coli	Very Good	Where there are no geometric means, all bacteria samples are < 75% of the geometric mean. Where there are geometric means all single bacteria samples are < the SSMC and all geometric means are < geometric mean criteria.
	Chlorophyll-a	Very Good	There are a total of at least 10 samples with 0 exceedances of indicator.

BEACH PRIMARY CONTACT ASSESSMENT STATUS

STINSON LAKE - CAMP HAPPY T RANCH BEACH	Escherichia coli	Very Good	Where there are no geometric means, all bacteria samples are < 75% of the geometric mean. Where there are geometric means all single bacteria samples are < the SSMC and all geometric means are < geometric mean criteria.
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WATERSHED LAND USE SUMMARY

Fry, J., Xian, G., Jin, S., Dewitz, J., Homer, C., Yang, L., Barnes, C., Herold, N., and Wickham, J., 2011. Completion of the 2006 National Land Cover Database for the Conterminous United States, PERS, Vol. 77(9):858-864. For larger image contact NHDES.



Land Cover Category	% Cover	Land Cover Category	% Cover	Land Cover Category	% Cover
Open Water	7.45	Barren Land	0	Grassland/Herbaceous	0.03
Developed-Open Space	1.06	Deciduous Forest	50.5	Pasture Hay	0
Developed-Low Intensity	0.25	Evergreen Forest	12.34	Cultivated Crops	0
Developed-Medium Intensity	0	Mixed Forest	27.01	Woody Wetlands	0.73
Developed-High Intensity	0	Shrub-Scrub	0.48	Emergent Wetlands	0.07